

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-920

Relating to Certification of New Heavy-Duty Motor Vehicle Engines

FORD MOTOR COMPANY

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43102 and 43103 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-9;

IT IS ORDERED AND RESOLVED: That the following 2000 model-year Ford Motor Company Otto-cycle engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 14,000 pounds:

Fuel Type: Gasoline

<u>Engine Family</u>	<u>Engine Displacement Liters (Cubic Inches)</u>	<u>Exhaust Emission Control Systems and Special Features</u>
YFMXH05.4CF5	5.4 (326)	Sequential Multiport Fuel Injection Dual Heated Oxygen Sensors Heated Oxygen Sensor Three Way Catalytic Converter

Engine models and codes are listed on attachments.

The certification exhaust emission standards for this engine family in grams per brake horsepower-hour are:

<u>Total Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>
1.9	37.1	4.0

The certification exhaust emission values for this engine family in grams per brake horsepower-hour are:

<u>Total Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>
0.1	2.2	1.0

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et seq.)

BE IT FURTHER RESOLVED: That the listed engine models comply with the "California Motor Vehicle Emission Control and Smog Index Label Specifications" for the aforementioned model year (Title 13, California Code of Regulations, Sections 1965.)

Engines certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachments.

Executed at El Monte, California this 9<sup>th</sup> day of August 1999.

A handwritten signature in black ink, appearing to read 'R. B. Summerfield', with a large, stylized loop at the end.

R. B. Summerfield, Chief  
Mobile Source Operations Division

2000 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
HEAVY DUTY OTTO-CYCLE ENGINESE.O. # A-10-920Manufacturer: Ford Motor CompanyEngine Family: YFMXH05.4CF5Displacement: 5.4L /      Liter326 /      Cubic InchesAll Eng Codes in Eng Family: CA      49S X 50S XFuel Type(s): Dedicated X Flex Fuel      Dual-Fuel      Bi-Fuel      Gasoline X CNG     LNG      LPG      M85      M100      Other (specify)     Maximum Rated Power: 255 HP @ 4500 RPM E-Series Engine Configuration V8Exhaust Control System and Special Features TWC, 2HO2S, SFI, HO2S  
(Use abbreviations per SAE J1930 SEP91)

Engine Model (Engine Code)	Ign. System or PCM  Part No. -12A650-	Fuel System Injtr  Part No. -9F593-	Catalyst  Part No. -5E212-
0E414N0A05	YC2F-PB	F0TE-DB	YC25-GA3
0E414Y0505	YC2F-ASB	"	"

Comments:  
  
Engine Family: YFMXH05.4CF5

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Issued: 7-7-99

Revised: 8-3-99